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PENNSYLVANIA HOSPITAL

ANNUAL REPORT

Department for Mental and Nervous Diseases

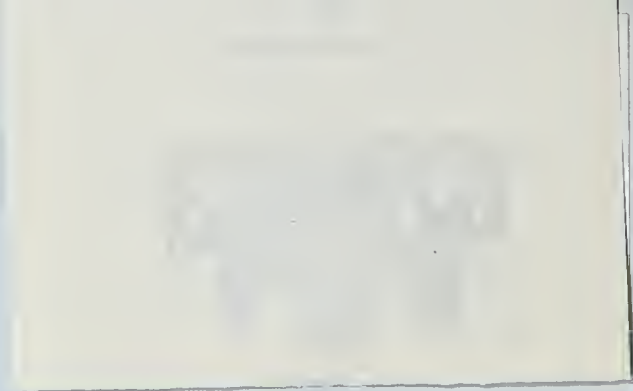
West Philadelphia

*For the Year Ending December Thirty-first
Nineteen Hundred and Twenty-seven*

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.P4

Presented to the
One Hundred and Seventy-seventh Annual Meeting
of the Contributors to the Pennsylvania Hospital

Philadelphia, Penna.
Dec. 31, 1927



Forms of Bequest



Legacy of Personal Property

I hereby give and bequeath to "The Contributors to the Pennsylvania Hospital" the sum of _____ Dollars
(or other personal property, describing the same).

Devise of Real Estate

I hereby give and devise to "The Contributors to the Pennsylvania Hospital," their successors and assigns, all that (here describe the property or ground rent).

Free Patient Memorials

A contribution or bequest of Five Thousand Dollars or more establishes a Free Patient Memorial and will be recorded upon a suitable tablet placed upon the walls of the hospital.

Contributions will be gratefully acknowledged by

JOHN LEWIS EVANS, *Treasurer*,
701 Commercial Trust Building.

or at the office of either department of the Hospital.

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Pennsylvania Hospital
Department for Mental and Nervous Diseases
West Philadelphia

Managers

ARTHUR V. MORTON, *President*

LAWRENCE J. MORRIS, *Secretary*

PARKER S. WILLIAMS

CHARLES J. RHOADS

GEORGE R. PACKARD

CHARLES EVANS

BEAUVEAU BORIE, JR.

MALCOLM LLOYD, JR.

CHARLES WHEELER

FRANK H. MOSS

JOHN WAY

GEORGE L. HARRISON

Treasurer

JOHN LEWIS EVANS, 701 Commercial Trust Building

Solicitor

J. RODMAN PAUL, 505 Chestnut Street

Consultant for Future Development

OWEN COPP, M.D.

Physician-in-Chief and Administrator

EARL D. BOND, M.D.

Medical Directors

Department for Men

DANIEL H. FULLER, M.D.

Department for Women

EDWARD A. STRECKER, M.D.

Laboratories

CLIFFORD B. FARR, M.D.

Consulting Dentists

L. FOSTER JACK, M.D., D.D.S. JAMES EDWARD AIGUIER, D.D.S.

Medical and Laboratory Staff

ELMER V. EYMAN, M.D., *Senior Assistant Physician*
CLARA L. MCCORD, M.D., *Assistant Physician*
CHARLES C. ROWLEY, M.D., *Assistant Physician*
LAUREN H. SMITH, M.D., *Executive Officer*
KENNETH E. APPEL, M.D., *Assistant Physician*
HAROLD MARSHALL, M.D., *Assistant Physician*
FLORENCE M. CRIMMINS, M.D., *Assistant Physician*
H. WHITMAN NEWELL, M.D., *Assistant Physician*
GERALD H. J. PEARSON, M.D., *Neuropathologist*
CHARLES W. LUEDERS, M.D., *Clinical Bio-Chemist*
EDWARD WESTBURGH, B.S., *Assistant Psychologist*

Dentist

OLLINGTON C. HAYES, D.D.S.

Superintendents of Nurses

LEROY N. CRAIG, R.N. LETITIA WILSON, R.N.

Directors of Occupational Therapy

MARY F. BOYD KATHRYN I. WELLMAN

Director of Physio-Therapy

DAVID H. HOLMES

Dietitians

MARGARET E. HEMSING KATHARINE T. MCCOLLIN

Business Director

HERMAN S. MEHRING

Pennsylvania Hospital

Attending Managers

1927

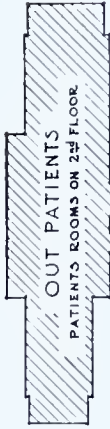
May	{	BEAUVEAU BORIE, JR.
	}	CHARLES WHEELER, North American Building
June	{	CHARLES WHEELER
	}	LAWRENCE J. MORRIS, 503 Lafayette Building
July	{	LAWRENCE J. MORRIS
	}	MALCOLM LLOYD, JR., 701 Commercial Trust Bdg.
August	{	MALCOLM LLOYD, JR.
	}	CHARLES EVANS, Summerdale Station, Philadelphia
September	{	CHARLES EVANS
	}	FRANK H. MOSS, 1510 Chestnut Street
October	{	FRANK H. MOSS
	}	JOHN WAY, 409 Chestnut Street
November	{	JOHN WAY
	}	CHARLES J. RHOADS, 330 Chestnut Street
December	{	CHARLES J. RHOADS
	}	GEORGE R. PACKARD, N. E. Cor. 3rd and Walnut Sts.

1928

January	{	GEORGE R. PACKARD
	}	PARKER S. WILLIAMS, 601 Commercial Trust Bldg.
February	{	PARKER S. WILLIAMS
	}	ARTHUR V. MORTON, Penna. Company, Packard Bldg.
March	{	ARTHUR V. MORTON
	}	GEORGE L. HARRISON, 1520 Locust Street
April	{	GEORGE L. HARRISON
	}	BEAUVEAU BORIE, JR., 511 Chestnut Street

The Attending Managers visit the Pine Street Hospital every Wednesday at 9 A. M., and the Departments for Mental and Nervous Diseases every Saturday at 1.30 P. M.

FORTY-NINTH STREET



PATIENTS ROOMS ON 2ND FLOOR

DIAGNOSIS AND TREATMENT

BUSINESS
OFFICES
ON 2ND FLOOR

LABORATORIES

NURSES HOME

SERVICE BUILDING

SERVICE BUILDING

CHILDREN

HAYRFOED AVE

FORTY-EIGHTH STREET

Plan of Proposed Institute for Nervous and Mental Diseases

Physician-in-Chief and Administrator's Report

Department for Mental and Nervous Diseases

West Philadelphia

To the Managers of the Pennsylvania Hospital:

The Institute

A plan for the future development of this department is shown in a diagram on the opposite page. It provides for an Institute for Nervous and Mental Diseases between 48th and 49th Streets, which will be a complete and independent clinic for the diagnosis and treatment of patients who can live at home or come in for a few days' study. The teaching and research in this clinic will be under the joint control of the University of Pennsylvania and the Pennsylvania Hospital. There will be an adequate supply of private rooms. The clinic would, in short, give to nervous and mental patients exactly the same surroundings and care which a general hospital now gives to its surgical patients.

One-third of the Institute, the service building, was built and equipped and put into operation last year.

Another third can be made by simple alterations to the present buildings. All present patients would be moved away and would leave space admirably adapted to a nurses' home, administrative offices, and laboratories. These alterations will be done in part during the coming year.

The final third is the patients' part of the Institute, and will run west from the junction of the service and old buildings. Its lower floor will be the out-patient department—reception rooms, examining rooms, treatment rooms—connecting with a clinical laboratory. Its two upper floors will be fitted with every modern facility for treating patients during the early days of their illness.

In completing the plan, it will be necessary to move the present men patients to the 44th Street department and to do away with the stone wall which now partly surrounds the property.

It is worthy of note that this final third of the Institute, the Clinic, would be built and run for the immediate use of patients, and, if built for \$1,500,000, would make available a plant worth \$3,500,000.

The 1927 Patients

The group of patients admitted during the year has been of extraordinary interest. There were 362 in all, a number which breaks all records of admission. They included 9 little boys, who have been tried in the class for behavior disorders, and other children who did not fit into the class. An important group were in the early stages of dementia praecox—young men and women of good intelligence and considerable gifts, who were struggling to keep their places in a practical and complicated world. By building up their bodies, by re-education, by studying mental processes by a delicate laboratory apparatus, the hospital staff is trying to bring new methods to fight their disease. The usual number of patients have entered who are normal enough in the hospital, but have been and will be abnormal in their homes: their problems lead far outside of the hospital. There is a customary contrast in receiving some patients whose trouble seems to be the natural culmination of bad influences from infancy and childhood and others in whom a disease process seems to have begun at 20 and 30 out of a clear sky. And as always there were those patients whose mental disease was the evident consequence of some such physical disease as anemia, influenza, syphilis and the deterioration of old age. The individual cases, when diligently studied, comment on the general practise of medicine and law, on family life, on education, and on prohibition and prohibitions.

One case, no more interesting than the other 361, may be given in short outline to show the need of a psychiatric clinic to cooperate with the hospitals of Philadelphia. A boy of 18 began to fight his family and was taken to a general hospital, struck at the interne and orderly, and was tied down to his bed, raving. On entering the department for mental and nervous diseases he was met by experienced physicians and nurses who removed his bonds and established a thorough understanding with him at once. What he had was "St. Vitus' Dance," plus a sense of injustice; his

blows were the spasms of his muscles; he was irritated because of the lack of understanding which he met. And, as so often happens, our treatment was directed to heart disease and tonsillitis, which were directly in the field of the hospital from which he came, and he soon recovered.

Of another group of 1,086 new out-patients Dr. Strecker and the staff give a full report a few pages further on. As usual, I pick out for emphasis the seven social agencies which have led 54 others in the use of the out-patient clinic. They are, in order, the Family Society, the Society for Prevention of Cruelty to Children, the Mothers' Assistance Fund, the Jewish Welfare Society, the Hebrew Sheltering Home, the Presbyterian Orphanage and the Bureau of Compulsory Education. We look forward to the time when many of the activities of the out-patient department can be merged in the Institute in West Philadelphia with a great increase in efficiency.

From statistics which follow in a few pages take these statements about the patients. Sixty-four per cent. of the admissions were voluntary. Forty-one per cent. of those discharged were able to earn their own living. All of the out-patients were treated free and 46 in-patients. 228 patients were on a part-pay basis.

Post-Encephalitic Boys

The class formed for the study and treatment of behavior disorder in boys was begun three years ago, and now is the time to review the results of its work. Ruling out a case of paralysis and 3 feeble-minded boys, who were taken in for short times, we find that a total of 24 boys were admitted, of whom 15 have been discharged. Of the latter we find 7 have done very well when restored to their homes, and have maintained their good conduct for over a year. This result was beyond our expectations. Two boys have done fairly well; one is "good," but still shows insomnia; the other is restless and refuses to go to school, but is in other respects obedient. Six boys have done badly, 3 of them in very bad homes, one in a reformatory, and two in homes that seem all right.

We consider that two things have been pretty well demon-

strated: that some boys who have changed from good to bad after encephalitis can be made good citizens, and others can gain enough to be good members of a hospital class but cannot successfully go back to their homes.

The class has been visited by many distinguished European visitors, and because of its success the Commonwealth Fund of New York has generously agreed to support a similar class of girls for the next two years.

Treatment and Research

The medical staff has pushed ahead in its treatment of the patients in several different ways. It has succeeded in making 12 undernourished patients gain in weight (about 14 lbs. each) by the use of insulin. Also within the year it gave malaria to 16 paretic patients, of whom 8 are now at work, 4 are unimproved, 2 were temporarily improved, and 2 are dead. It is studying the skin and capillary reactions, and the value of blood counts, specific gravity, and wheal tests as indicators of infection. Gastro-intestinal and anthropometric studies continue. There has been an increased use of the continuous baths and of the quartz lamp, and the introduction of a rest hour in the early afternoon.

The psychologists have been active, and have produced psychogalvanic studies which are remarkable. A major activity has been intrusted to Dr. Stotesbury, the familiarizing of the physicians with the basic ideas and point of view of Professor Witmer, and the tentative construction of an outline for an examination of patients in which individual non-verbal behavior is given its full value. The construction of new tests for observable and measurable performances, or the application of tests to adults which already have been standardized for children, is a research problem for 1928. Meanwhile a psychologist, not concerned in these projects, is giving standardized tests to out-patients and to patients in residence, and especially making a study of unmarried mothers as they come to the Lying-In Clinic.

Staff meetings have been held four or five times a week, in which clinical and scientific matters, and not administrative, have been discussed. The post-graduate work with the Commonwealth

Fund Fellows at the University of Pennsylvania has as usual occupied the four summer months. The advice of the hospital staff is sought in preparatory school and college problems.

The Nurses' Training Schools

It has been a pleasant duty to provide more teaching space for the schools. Within the year the women's classes have occupied two more rooms which have been specially refitted for them, and the men's classes have spread over into temporary new quarters in the center building. There are now 37 men enrolled in the three years' course, and 14 women. But there is the extremely important addition of 8 women as affiliates, and 9 as graduate students. During the year 14 affiliates completed the three months' course and 7 graduates completed the four months' course. The instructor for men is drawing up an excellent set of standard nursing procedures as a help in teaching and on the wards.

At graduation exercises on May 20th, diplomas were presented by the President of the Board of Managers, and an address was given by Dr. Clarence A. Patten.

Occupational and Recreational Activities

It seems worth while to group these activities this year, to estimate their extent, and their common interests. They are not yet developed to the point which they ought to reach and yet they at present have a staff of 17 workers, all but two of whom have had formal and special training.

In Occupational Therapy there are 11 employed in an activity which affects most of the patients—turning thought that would be aimless, worrying, and depressed into helpful channels and affording restlessness and over-abundant energy a constructive outlet. During the year our attention has been fixed on ward classes, which run all afternoon or forenoon in the hope of catching the interests of patients too disturbed to come to the successful shop classes which begin at stated times. In the summer time garden classes for women and for boys have kept patients outdoors.

The experiment of bringing music into the treatment of our patients has been very finely worked out by Miss Kalms. On the

convalescent wards she has introduced two-part choruses which demand self-control, coöperation and loyalty to the group. To the more apathetic patients she has brought rhythmic games and songs. To many patients she has given individual help. Next year a course in music appreciation can be given to convalescents. Her work has been reviewed by Mr. van de Wall, to whom the hospital is greatly indebted for advice and inspiration.

The lack of a librarian was felt keenly, as substitutes on part-time cannot be expected to do the real work. For 1928 we have arranged for the services of a librarian on the men's service and we hope to make the same arrangement for women, although the money is not in sight to finance the undertaking. Current events classes will run along with those on the appreciation of music.

It is obvious that music, books, and recreation cannot be brought to many patients without the active coöperation of nurses and occupation teachers. The latter have borne the brunt of the less well organized activities. They were responsible for a Peasants' Carnival, where the decorations of walls and booths and the dresses of the participants were made by patients and stimulated an interest in peasant crafts which still influences the designs and color schemes which are now being used.

Decorations of the sort just mentioned and of different inspiration have brightened our halls and rooms. The occupation classes have supplied many articles of furniture to the hospital, and have filled 191 requisitions calling for 327,000 sheets of printed matter.

Physio-Therapy

About one-third of our patients receive treatment in this department, hydrotherapy, massage, and heliotherapy accounting for 10,062 treatments. A systematic effort has been made to interest the men in organized activities in the gymnasium and to get the women outdoors for setting-up exercises and games.

Oral Prophylaxis and Treatment

During the past year a greater effort has been put forth to obtain more detailed dental examinations, so that our history reports of each case would contain information valuable to the physician.

A detailed description of each tooth has been given, noting its condition, type of filling present, if any, and condition of filling. Also the type of denture or bridgework present or lack of such has been reported. If defective, it has been removed and best replacement advised for that particular case. A note has also been made as to condition of gums and glands.

Whenever it has been found necessary to do prophylaxis for a patient, it has been done at the time of examination. This has been followed by the necessary dental work advised, if authorized by the hospital.

Particular stress has been laid upon the necessity of full mouth X-Rays, for it is impossible to make up a proper history report without it, due to the fact of so many conditions not discerned by the naked eye, such as interproximal cavities, chronic abscess conditions, impactions, cystic conditions, improper root fillings, badly fitting crowns, pulp stones, hidden roots, foreign bodies, supernumerary teeth, fractures, and resorption of bone structure. As an aid before extraction it is invaluable.

Dental statistics follow: Prophylaxis 233, examinations 264, extractions 177, amalgam fillings 116, porcelain fillings 53, abscess treatments 38, cases of gingivitis 99, treatments of gingivitis 256, cases of pyorrhea 27, X-Rays 61.

The Number of Patients

at the beginning of the year was 286, with 42 on visit. Admissions totalled 362 and the whole number under treatment was 655. Discharges numbered 315 and deaths 24. There remained at the end of the year 298 patients in the hospital and 53 on visit. Detailed information will be found in the tables which follow the out-patient report.

Thirty-five per cent. of the patients were treated for less than the cost of care; 46 were free and 228 part pay. There were 7,665 free and 38,507 part pay days.

The Admissions

for the year were 362 and of these 232, or 64 per cent., were voluntary. Of those admitted 86.7 per cent. had residence in Pennsylvania and 50 per cent. in Philadelphia.

Mental Patients

constituted 95.9 per cent. of all admissions, and of these 75 per cent. were first admissions to this hospital.

Mental Patients First Admitted

numbered 260 and ranged in age from 8 to 84 years. Eight patients were under 15 years of age on admission and 8 patients were over 70 years. Duration before admission was less than a month in 51 cases, was from one to three months in 53, from three to six months in 44, from six to nine months in 23, from nine months to a year in 11, and over a year in 78 instances.

The Discharges

of mental patients numbered 300. Of these 48 were fully recovered and 75 more were able to maintain themselves in the community. In addition 144 patients were discharged as improved. The follow-up system is being continued and is based on the patient's record for from five to ten years after admission.

Recoveries

Of the 48 recoveries, the average duration of mental illness before admission was 8 months, and the average time of treatment in the hospital was 4 and 4/5 months. Duration of illness in these patients ranged from 7 days to 4 years, 4 months and 14 days.

Deaths

of mental patients numbered 24, with an average age of death of 67 years. Six of these patients were admitted in a critical condition.

The Daily Average

number of patients in the hospital for the year was 301.07.

Changes in Staff

One of our charge nurses, Mrs. Duncan, resigned in August after three years as head of the receiving ward. She was succeeded by Miss Anna Spangenberg, a graduate of the Methodist Hospital, who had a three months' affiliation course here in 1926.

As Instructor of Nurses, Miss Aul, resigned in June and was succeeded by one of our own graduates, Mrs. M. Westt Kearns, who has a background of teaching experience in public schools.

Dr. Archibald completed her year's work in June and Dr. Florence M. Crimmins took her place on October 1, 1927. Dr. Harold Marshall, appointed July 1, 1926, resumed his work here on September 25, 1927, after serving a year at the Byrn Mawr Hospital. Dr. H. Whitman Newell began a service on September 26, 1927, and Dr. Emily F. Rorer on October 19, 1927.

Dr. Gordon F. Willey, after five years of service, resigned to take a position with the Bureau of Mental Health at Harrisburg—work which he had begun at this hospital and for which he is especially fitted.

Publications

(1) "Clinical Neurology." Edward A. Strecker, M.D. (with Milton K. Meyer, M.D.). A revised translation based on the work of Hans Curschmann. Published by P. Blakiston Son & Co., 1927.

(2) "Mental Hygiene." Edward A. Strecker, M.D. A Monograph of five chapters, contributed to Nelson's Loose Leaf Medicine, covering the following topics: Mental Hygiene, its Scope and its Object; Mental Hygiene and the Child; Mental Hygiene and the Physician; Personal Mental Hygiene.

(3) "Diagnosis of Postencephalitic Conditions." Edward A. Strecker, M.D. Delivered before the Section on Pediatrics of the Medical Society of the State of Pennsylvania, Philadelphia Session, October 14, 1926. Published in the Atlantic Medical Journal, March, 1927.

(4) "Prognosis in Schizophrenia." Edward A. Strecker,

M.D., and Gordon F. Willey, M.D. Published in the Journal of Mental Science, January, 1927.

(5) "Signs of Mental Health in Childhood." Edward A. Strecker, M.D. (With Hugh Chaplin, M.D.). Publication of the American Child Health Association as special pamphlet.

(6) "How a Neuropsychiatric Clinic Functions in a General Hospital." Edward A. Strecker, M.D. Published in The Modern Hospital, Vol. 29, No. 5, November, 1927.

(7) "Child Guidance Clinics." Earl D. Bond, M.D. Main Line Federation of Churches, February, 1927.

(8) "The Mental Health of the Preschool Child." Earl D. Bond, M.D. Radio Talk for the Committee on Mental Hygiene, May, 1927.

(9) "What Is a Normal Child?" Earl D. Bond, M.D. Inter-County Conference, Erie, June, 1927.

(10) "Development Through Work and Play." Earl D. Bond, M.D. Inter-County Conference on Child Guidance, Norristown, December, 1927.

(11) "General Considerations As They Affect the Medical Profession." Earl D. Bond, M.D. This and other papers by Dr. Strecker and Dr. Fuller form part of a "Symposium on Encephalitis and Its Effect on the Behavior of Children." Published in the Atlantic Medical Journal, March, 1927.

(12) "Discussion of Cases With Special Reference to Personality: Clinical Abstract and Formulation, Personality Study and Interpretations (from physical, psychological and psychiatric points of view); Presentation of Patients and Discussion." Earl D. Bond, M.D., and Staff. Given at meeting of the Interurban Clinical Club at this hospital, December, 1927.

(13) "Constitution and Mental Diseases." Clifford B. Farr, M.D. Lecture at Yale University, New Haven, Conn., May, 1927.

(14) "Bodily Structure, Personality and Reaction Types." Clifford B. Farr, M.D. Published in the American Journal of Psychiatry, Vol. 7, No. 2, September, 1927.

(15) "Mental Hazards of Middle Life." Clifford B. Farr, M.D. Published in Hygeia, December, 1927, page 601.

(16) "Gastro-Intestinal Secretion and Motility As Influenced By Emotion." Clifford B. Farr, M.D. Given at meeting of the Interurban Clinical Club at this hospital, December, 1927.

(17) "A Study of Postencephalitic Boys in a Hospital School." Daniel H. Fuller, M.D. Published in the Atlantic Medical Journal, March, 1927.

(18) "Child Discipline." E. V. Eyman, M.D. Radio talk, printed in the Evening Public Ledger, January 22, 1927.

(19) "Psychogenic Causes of Mental Disease." E. V. Eyman, M.D. Read before Philadelphia Psychiatric Society, March 19, 1927.

(20) "Etiology of Involutional Melancholia." E. V. Eyman, M.D. Read before the Strecker Neurological Society of Jefferson Medical College, April 12, 1927.

(21) "Medical Education: The Retrospect of a Recent Graduate." Kenneth E. Appel, M.D. Published in the Boston Medical and Surgical Journal, Vol. 197, No. 27, January, 1928.

(22) "Gastro-Intestinal Reaction to the Emotions: The Role of the Vegetative System." C. W. Lueders, M.D. Read before Section on General Medicine, College of Physicians, November, 1927. To be published.

(23) "Gastric Psychic Secretion As Modified By Emotion: An Attempt to Develop a Suitable Technic." G. D. Gammon, M.D. Read before Section on General Medicine, College of Physicians, November, 1927.

(24) "Study of Emotional Reactions By Aid of Psychogalvanometer." E. M. Westburgh. Given at the meeting of the Interurban Clinical Club at this hospital, December, 1927.

Laboratory Statistics

Anthropological measurements.....	43
Bacteriological—smears, cultures, etc.....	176
Basal metabolism tests (each in duplicate).....	112
Blood capillaries, Examinations of.....	11
Blood chemistry (including sugar, urea, etc.).....	750
Blood counts (complete or special malaria).....	946
Blood sedimentation tests.....	19
Blood serum (spec. grav.).....	32
Feces—ova, parasites, occult blood.....	98
Fractional test meals, etc.....	241
Milk, chem. and bact. (specimens).....	114
Miscellaneous tests.....	30
Pathological:	
Study of central nervous system (cases).....	18
6 cases from Dept. for N. & M.	
12 cases from Dept. for S. & I.	
Study of other organs and tissues (cases).....	6
Photographs	148
Psychogalvanometric tests (58 cases).....	226
Spinal fluid, chemistry and count.....	36
Urine examination, routine and special.....	1355
X-Ray:	
Gastro-intestinal studies.....	32
Miscellaneous examinations.....	45
Dental (most complete).....	50
In addition the following examinations were made at the Ayer	
Laboratory:	
Wasserman tests (in recent months including Kahn Test):	
Spinal fluid.....	42
Blood	442

Financial and Business Statement

The operating deficit for the year of 1927 was \$40,785.77, and with the income from endowments lowered to \$20,719.75 there is a net deficit of \$20,066.02. No money was received by this department from the Welfare Federation. It is disappointing not to have the income from funds devoted to the benefit of mental patients grow; it seems as if Philadelphia thinks that minds which need fixing are less important than bodies, which are splendidly cared for in scores of good hospitals.

The average patient in 1927 paid us \$35.79 a week and we spent on that patient \$38.52 a week, a loss of \$2.60 a week for each patient.

The tendency in modern diets to demand fresh fruits and vegetables resulted in an increase of \$4,000 for these foods. Moving from old to new service buildings was expensive: temporary cables were laid for the electric current and the voltage at 49th Street was reduced, the main sewer was changed, and there was some equipment which could not be moved. The south wing of the main building at the men's department was covered with a slate roof at a cost of \$4,000. Repairs and renewals expenses have thus been heavy.

The new service building is considered the finest in Philadelphia and shows the wisdom and care of Dr. Copp in its plan and execution. It has been a relief to see the services which have fire risks—kitchen, laundry, and others—taken completely away from the buildings where patients and employees live.

Major jobs in painting have been completed, including the woman's convalescent and two other wards, a cottage for the nurses' training school, two men's wards, the sewing and dining rooms just built, porch furniture, and all the metal roofs. Much other painting has been done.

A survey of the diet was made by an outside expert.

At Newtown Square, Rhoads Hall was put in commission on November 1st. It has been filled by private patients of the hospital's physicians and it is an experiment in the care of general convalescence.

Acknowledgments

Gifts of money for the Christmas use of patients were received from our friends, Miss Anne Thomson, Miss Anna B. Sterrett, Mr. Henry H. Collins, Judge John M. Gest, Mr. Charles Evans, and Mrs. William T. Hord. A tea set was given to the occupational therapy teachers and some of our recovered patients have invited patients to their homes and to picnics in the country, which have been delightful. The Pepper Laboratory made several important tests for us and trained a technician.

I must call attention to two departments of the hospital which have been a great support during the year, but which have not made a good showing on paper. This is because they are marked for sacrifice. The farm had an unusually good year, but Mr. Reeve had to do many things because of his connection with the hospital that he need not have done in business for himself. The business department had a good year, but Mr. Mehring's cause is hopeless from the start; money he saves by good administration is at once spent for patients by someone else.

I thank the Managers and the Staff for the continuance of their support.

Respectfully submitted,

EARL D. BOND,

Physician-in-Chief and Administrator.

Report of the Out-Patient Neuro-Psychiatric Clinic

For the Year Ending December 31, 1927

To the Physician-in-Chief and Administrator:

The year 1927 was an active and interesting one. The following statistical summary will give an idea of the amount of work which was accomplished: Total number of new patients 1,086, including 366 men, 358 women and 362 children (201 male, 161 female); revisits, 2,994; psychometric measurements, 310; electrical treatments, 2,120; bakings and massage, 1,001, and social service rendered to 169.

It will be noted that there was an increase in the number of new patients who were examined and treated. This increase, however, is not absolute, since the removal to the new Out-Patient Department and the installation of a new system of records made it necessary to consider, for purposes of registration, a certain number of old patients as new. These same factors account for some part of the decrease in the manner of revisits. Nevertheless, the clinic was busier than ever before and this in spite of the fact that it has become necessary to restrict our activities as much as possible.

As a testimonial not only to the people which this clinic served in the community, but also to the increasing of recognition of the value of psychiatry in every contact of life, there is to be cited the observation that our patients were referred to us from 61 distinct agencies. They represent diversified groups of interests and activities, educational, industrial, nursing, social service, medical and many others. The source of new patients is as follows:—

Source of New Patients

American Red Cross.....	7
Associated Medical Clinic.....	1
Big Brother Association.....	1
Big Sister Association.....	6

Bureau of Compulsory Education.....	15
Bureau of Human Research.....	1
Bureau of State Highways.....	1
Catholic Children's Bureau.....	3
Children's Aid Society.....	3
Children's Bureau	1
Child Guidance Clinic.....	1
Child Welfare Association.....	2
Church Federation of Moorestown.....	2
Church Mission of Help.....	4
City Mission.....	3
Day Nurseries	8
Department of Public Welfare.....	5
Eagleville Sanatorium.....	1
Family Society of Philadelphia.....	45
Foster Home Association.....	3
Girard College.....	2
Girls' Trade School.....	1
Hebrew Sheltering Home.....	18
Home Missionary Society.....	7
Jewish Foster Home Society.....	2
Jewish Welfare Society.....	21
Junior Employment Bureau.....	2
Juvenile Aid Society.....	2
Light House.....	2
Lutheran Children's Bureau.....	1
Main Line Federation of Churches.....	8
Methodist Orphanage.....	2
Mothers' Assistance Fund.....	22
Navy Yard.....	1
Neighborhood League.....	1
Personal Service Bureau.....	12
Philadelphia Electric Company.....	2
Philadelphia Health Council.....	1
Phipps Institute.....	1
Presbyterian Orphanage.....	15
Prison Society.....	2
Psychological Clinics.....	3
School Nurses	3
Settlement Houses.....	2
Sheltering Arms.....	7
Sleighton Farms.....	5
Social Service Departments.....	4
Society for Prevention of Cruelty to Children.....	31
Temporary Shelter for Women.....	2
Travelers' Aid Society.....	2

Union Benevolent Association.....	2
Visiting Nurse Society.....	4
Wayne Neighborhood League.....	3
White Williams Foundation.....	4
Welfare Department of Store.....	1
Pennsylvania Hospital	232
Pennsylvania Hospital Clinics.....	162
Medical	56
Surgical	21
Cardiac	21
Nose, Throat, Ear.....	15
Skin Special.....	15
Gynecological	8
G. U.....	5
Eye	5
Compensation	5
Skin	4
G. I.....	4
Diabetic	3
Own or Family Initiative.....	222
Other Hospitals (20).....	80
Schools, Courts, Churches.....	47
Private Physicians.....	32

As in previous years we continue to take as broad a viewpoint as is possible of the diagnostic possibilities. For this reason, there is appended to the main diagnosis whatever organic pathological condition happened to be present. This is in no sense an effort to insist that these organic factors are dynamic, although sometimes they prove to be so, it is merely an attempt to emphasize the importance of looking at every sick individual from all the viewpoints that are afforded by medical, psychiatric and social science. The diagnosis of new cases is as follows:—

Diagnoses of New Cases

Psychoneuroses 208

Anxiety Neurosis	16
Anxiety Neurosis (cystocele, rectocele).....	1
Anxiety Neurosis (Infected tonsils, sinusitis).....	2
Hysteria	15
Hysteria (cardiac disease).....	3
Hysteria (pyorrhea)	3
Neurasthenia	42

Neurasthenia (anemia, arthritis).....	2
Neurasthenia (endocrine dysfunction).....	4
Neurasthenia (gingivitis, pyorrhea, varicose veins).....	1
Neurasthenia (lues)	4
Neurasthenia (menopause)	8
Neurasthenia (obesity, visual defect).....	3
Neurasthenia (pyorrhea, rectal stricture).....	1
Neurasthenia (undernourishment)	5
Psychasthenia	20
Psychasthenia (anemia)	2
Psychasthenia (cardiac disease, infected tonsils).....	6
Psychasthenia (hyperthyroidism)	4
Psychasthenia (oral sepsis, neuritis).....	1
Psychoneurosis	32
Psychoneurosis (anemia, menopause).....	2
Psychoneurosis (bilateral deafness, oral sepsis).....	1
Psychoneurosis (cardiac disease, rheumatism).....	2
Psychoneurosis (deafness, tuberculosis).....	1
Psychoneurosis (lues)	6
Psychoneurosis (menopause)	8
Psychoneurosis (obesity, visual defect).....	3
Psychoneurosis (tuberculosis)	2
Psychoneurosis (varicose veins, psoriasis).....	1
Traumatic Neurosis.....	7

Neurological Conditions 277

Aphasia, motor	1
Arteriosclerosis, cerebral.....	18
Cerebral birth palsy.....	4
Cerebral concussion	6
Chorea	19
Chorea (cardiac disease).....	7
Chorea (malnutrition)	5
Encephalitis	10
Encephalitis (Parkinsonian syndrome).....	12
Encephalitis, traumatic	2
Hemiplegia	14
Hemiplegia (arteriosclerosis)	9
Hemiplegia (lues)	9
Hydrocephalus	2
Little's Disease.....	6
Lues, cerebrospinal.....	28
Multiple sclerosis.....	4
Neuritis	14
Neuritis, alcoholic	8
Neuritis, brachial plexus.....	7

Neuritis, occupational	5
Neuritis, pressure	5
Neuritis, sciatic	6
Neuritis, traumatic	4
Neuritis, ulnar	4
Paralysis, brachial plexus.....	4
Paralysis, facial	19
Paralysis, radial	3
Paralysis, sciatic	6
Paralysis, ulnar	5
Parkinson's Disease.....	2
Severed Nerves.....	3
Sclerosis, posterior, lateral.....	3
Tabes	23

Psychoses 133

Dementia, arteriosclerotic.....	2
Dementia praecox	40
Dementia praecox, paranoid.....	10
Involuntional melancholia.....	14
Manic-depressive, depressed.....	10
Paranoid condition.....	7
Paresis	8
Psychosis, alcoholic	7
Psychosis (organic brain disease).....	6
Psychosis (somatic disease).....	5
Psychosis, unclassified	24

Mental Deficiency 109

Idiocy	7
Imbecility	30
Imbecility (endocrine dysfunction).....	4
Imbecility (infected tonsils).....	6
Imbecility (malnutrition)	6
Moron	36
Moron (endocrine dysfunction).....	5
Moron (infected tonsils, pyorrhea, visual defect).....	3
Moron (pregnancy)	7
Moron (speech defect).....	5

Mental Retardation 76

Mental retardation	30
Mental retardation (anemia, hemorrhoids).....	1
Mental retardation (cardiac disease, infected tonsils).....	3
Mental retardation (defective vision, deafness).....	2
Mental retardation (enuresis)	3

Mental retardation (epilepsy)	2
Mental retardation (hyperthyroidism)	2
Mental retardation (lues)	6
Mental retardation (malnutrition)	8
Mental retardation (pregnancy)	8
Mental retardation (speech defect).....	6
Mental retardation (tuberculosis)	5

Constitutional Psychopathic States 24

Constitutional Psychopathic Inferiority	20
Constitutional Psychopathic Inferiority (lues).....	4

Epilepsy 41

Grand mal	26
Grand mal (cardiac disease).....	3
Grand mal (lues)	3
Petit mal	8
Petit mal (anemia).....	1

Behavior Problems 78

Behavior Problems	38
Behavior Problems (cardiac disease).....	3
Behavior Problems (chorea)	5
Behavior Problems (enuresis, refractive error).....	3
Behavior Problems (infected tonsils).....	6
Behavior Problems (post encephalitis).....	14
Behavior Problems (speech defect).....	4
Behavior Problems (tuberculosis)	1
Behavior Problems (visual defect).....	4

Miscellaneous 110

Alcoholism, acute	6
Alcoholism, chronic	4
Arthritis	4
Contracture of muscles.....	3
Cycle vomiting	1
Endocrine dysfunction.....	6
Enuresis	4
Fractured skull.....	4
Hyperthyroidism	3
Malingering	4
Migraine	2
Osteo arthritis	4
Osteo myelitis	3
Speech defect	14
Wrist drop.....	2
Diagnosis deferred.....	46

Perhaps the most interesting development of the year was the inauguration of a branch of the clinic in the Maternity Department of the Hospital on July 18th. The need for social recommendations in both married and unmarried mothers became so imperative that it could no longer be disregarded. Since it seemed advantageous to examine these patients in the environment of the Maternity Hospital, a Staff of psychiatrists, psychologists, and social workers was assigned. On the basis of one clinic day per week, 78 patients were examined during a five-month period. Forty-seven were 19 years old or less. Sixty-five unmarried, 3 had been deserted, 2 were separated, 2 were divorced, and the marital status of two were doubtful. Fifty-seven were colored and 20 white. Of the colored 35 came from the south for hospital care. They presented unusual difficulties from the standpoint of social adjustment. Sixty-one made personal application and 17 were referred by agencies. The mental ages determined by careful psychometric measurements ranged from an I. Q. of 33, which was the lowest to an I. Q. of 95, which was the highest. The majority of the patients were classified as high grade feeble-minded, another proof of the fact that with the unmarried mother the problem is largely a psychiatric one. The work in this sub-department of our clinic presents many interesting possibilities. During the coming year it is hoped that a somewhat exhaustive investigation of the factors which determine this form of delinquency will be put into effect. As a part of this study a follow-up survey of the babies will be included.

The usual teaching activities of the clinic have been carried on during the past year. Nurses from the Department for Mental and Nervous Diseases continue to spend some time doing supervised social work and becoming acquainted with the routine of the clinic practice. While the amount of time is limited it is, nevertheless, sufficient to furnish to these nurses some working idea of the type of patients who seek neuro-psychiatric aid and the problems which are presented for solution. Students from the Psychological Clinic at the University of Pennsylvania devote from two to four hours per week as a regular part of their college work and obtain field experience under the Director of Social Service. Several of the psychological students have engaged in special clinical

research work. Two of the more interesting were, one on encephalitis and another on the underlying factors which attribute to marital difficulties. As heretofore, the graduating class of the Normal School came to the clinic for an afternoon in order to become acquainted with the type of service which can be rendered to the school children who are mal-adjusted.

The permanent staff of the clinic has been increased by the addition of Miss Adelaide Brown, psychologist. Mr. Charles Palmer, School Counselor from the Northeast High School, has volunteered his services and has helped materially in linking the clinic with the school. Mrs. Cummiskey, masseuse, has handled capably a large number of patients. This work has grown so rapidly that beginning with the first of February there will be a daily massage service.

The chief of the clinic is under a heavy debt of obligation to the Managers of the Hospital, the Superintendent, Mr. Test; the Physician-in-Chief of the Department for Mental and Nervous Diseases, the Consultant on Future Development, the Staff, both visiting and resident; the various clinics and laboratories of the Department for Sick and Injured, and the Staff of the Neuro-Psychiatric Clinic. Everyone has been untiring in their efforts to increase and to keep at a high level the service which we are able to render to the community. It is obvious to the chief of the clinic and the staff that we could never have reached the present stage of our development if it had not been for the remarkable executive ability of Miss Jane C. MacNeal, R. N. Finally we wish to express our appreciation to Dr. Clifford B. Farr and Professor William Spiller, who were ever ready to give us the benefit of their particular experience.

Respectfully submitted,

EDWARD A. STRECKER, M.D.,
Chief of Neuro-Psychiatric Clinic.

Statistics of Department for Mental and Nervous Diseases For the Year Ending December Thirty-first Nineteen Hundred and Twenty-Seven

	Mental Patients			Alcoholic and Drug Habitués			TOTAL		
	M.	W.	Total	M.	W.	Total	M.	W.	Total
December 31st, 1926									
Number of Patients in Hospital...	120	166	286	0	0	0	120	166	286
Admitted.....	11	30	41	1	0	1	12	30	42
Committed.....	160	186	346	14	2	16	174	188	362
Voluntary.....	50	78	128	1	1	2	51	79	130
Returned from Visit.....	110	108	218	13	1	14	123	109	232
Whole Number Treated.....	4	3	7	0	0	0	4	3	7
Discharged.....	284	355	639	14	2	16	298	357	655
Recovered.....	146	154	300	13	2	15	159	156	315
Capable of Self-Maintenance.....	20	28	48	.....	.....	.....	20	28	48
Improved.....	28	47	75	.....	.....	.....	28	47	75
Unimproved.....	68	29	97	.....	.....	.....	68	29	97
Without Psychosis.....	28	48	76	.....	.....	.....	28	48	76
Died.....	2	2	4	.....	.....	.....	2	2	4
December 31st, 1927	10	14	24	.....	.....	.....	10	14	24
Remaining in Hospital.....	117	181	298	0	0	0	117	181	298
Remaining on Visit.....	18	33	51	2	0	2	20	33	53
Daily Average Number in Hospital for the Year.....	125.87	173.48	299.35	1.51+	.2	1.71	127.38	173.68—	301.06
Number of Persons Admitted.....	162	185	347	12	2	14	174	187	359
Number of Persons Treated.....	282	351	633	12	2	14	294	353	647

General Statistics of Department for Mental and Nervous Diseases 1841-1927

Year	Discharged and Died																Remaining At End of Year			Daily Average Number for Year		
	Mental Patients																					
	Alcohol and Drug Habitués																					
	Admitted		Recovered		Capable of Self-Main- tenance		Improved		Unim- proved		Not Insane		Died									
M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.		
Prior to 1841																						
1841 to 1841			4360			1493					913			995			610					
1842			12110			4886					3084			1712			1805					
1843	93	100	193	27	25	52	26	32	58	25	20	45	25	20	45	12	0	12	185	260	445	
1844	91	120	211	20	22	42	30	44	74	22	20	42	13	20	33	12	3	15	179	271	450	
1845	97	105	202	14	30	44	17	44	61	13	11	24	21	27	48	21	7	28	189	257	446	
1846	106	119	225	26	40	66	27	43	70	17	13	30	14	22	36	15	1	16	196	257	453	
1847	80	122	202	17	29	46	12	46	58	28	16	44	17	19	36	18	3	21	182	267	449	
1848	106	105	211	19	29	48	13	40	53	23	17	40	27	19	46	17	2	19	189	265	454	
1849	100	105	205	27	36	63	15	34	49	24	25	49	21	23	44	12	1	13	190	251	441	
1850	92	110	202	23	30	53	11	30	41	23	18	41	16	27	43	15	2	17	194	254	448	
1851	107	121	228	24	26	50	27	38	65	14	27	41	21	20	41	31	4	35	184	260	444	
1852	120	118	238	18	33	51	37	51	88	22	22	44	21	19	40	24	4	28	182	249	431	
1853	98	112	210	23	35	58	35	40	75	17	13	30	11	11	22	17	1	18	176	261	437	
*1854	88	113	201	18	35	53	36	62	98	23	24	47	22	20	42	20	2	12	159	233	392	
1855	125	154	279	15	37	52	52	64	116	38	38	76	13	26	39	21	3	24	145	219	364	
1856	118	140	258	17	39	56	8	20	28	24	27	51	1	14	17	31	22	4	146	216	263	
1857	119	132	251	22	33	55	11	10	21	46	42	88	0	1	15	26	17	3	203	335	339	
1858	130	150	280	16	36	62	13	30	43	40	33	73	0	1	17	10	7	17	131	192	323	
1859	124	133	257	20	33	53	3	9	12	34	38	72	17	37	54	0	1	3	151	190	341	
1860	114	128	242	19	33	52	15	20	35	45	23	68	34	40	74	0	0	10	132	187	319	
1861	182	133	315	23	35	58	24	14	38	60	29	89	46	53	99	0	0	12	131	180	311	
1862	160	152	312	23	39	62	17	37	54	54	23	77	49	26	75	0	1	9	124	189	313	
*1863	162	122	284	19	26	45	18	12	30	47	21	68	44	29	73	6	3	0	6	138	182	
1864	150	157	307	18	48	66	24	18	42	69	64	133	41	29	70	0	0	2	120	174	294	
1865	183	149	332	16	33	49	21	33	54	75	59	134	40	27	67	1	0	15	125	168	293	
1866	150	160	310	13	16	29	17	37	54	52	31	83	38	38	76	5	6	4	120	166	286	
1867	160	186	346	20	28	48	28	47	75	68	29	97	28	48	76	2	2	15	117	181	298	

*10 Months only.

Account of Operations

Department for Mental and Nervous Diseases

West Philadelphia

Income from Operations:

Departmental Receipts:

Board and Treatment.....	\$545,101.40
Laundry Service.....	16,775.01
Discount on Purchases	1,614.88
Discount on Merchandise Purchased for Patients	406.33
Interest on Bank Deposits.....	148.27
	<hr/>
	\$564,045.89

Expenses, as annexed.....	595,579.10
	<hr/>

Operating deficit	\$31,533.21
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Non-operating Income:

Income from Funds of Department for Mental and Nervous Diseases as annexed.....	\$19,788.04
Interest on Balances.....	50.61
Income Funds, Principal held by trustees Dunbar Insane	881.10
	<hr/>
	\$20,719.75
Deficit, West Philadelphia Department.....	10,813.46
Deficit, Rhoads Hall.....	198.27
Deficit, Ashley Farm.....	9,054.29
	<hr/>

Total	\$20,066.02
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Expenses:

Administration:

Salaries and Wages.....	\$29,222.07
Supplies and Expenses.....	5,510.49
	<hr/>
	\$34,732.56

Professional Care of Patients:

Salaries and Wages.....	\$141,942.09
Supplies and Expenses.....	5,975.06
	<hr/>
	147,917.15

Departmental Expenses:

Laboratories:

Salaries and Wages.....	\$12,604.50
Supplies and Expenses.....	1,189.73
	<hr/>
	\$13,794.23

Training Schools:

Salaries and Wages.....	\$1,699.92
Supplies and Expenses.....	251.10
	<hr/>
	1,951.02

Libraries:

Salaries and Wages.....	\$169.25
Supplies and Expenses.....	1,068.67
	<hr/>
	1,237.92

Account of Operations *(Continued)* Department for Mental and Nervous Diseases

Housekeeping:	
Salaries and Wages.....	\$49,723.63
Supplies and Expenses.....	22,351.68
	<hr/> \$72,075.31
Laundry:	
Salaries and Wages.....	\$16,937.98
Supplies and Expenses.....	1,889.97
	<hr/> 18,827.95
Kitchen:	
Salaries and Wages.....	\$33,368.18
Supplies and Expenses.....	3,716.06
	<hr/> 37,084.24
Food	144,345.40
Garage:	
Salaries and Wages.....	\$3,782.66
Supplies and Expenses.....	1,397.62
	<hr/> 5,180.28
	<hr/> \$294,496.35
House and Property Expenses:	
Heat, Light and Power:	
Salaries and Wages.....	\$10,915.60
Supplies and Expenses.....	37,032.39
	<hr/> \$47,947.99
Repairs and Renewals:	
Salaries and Wages.....	\$34,560.32
Supplies and Expenses.....	17,176.79
	<hr/> 51,737.11
Garden and Grounds:	
Salaries and Wages.....	\$11,078.65
Supplies and Expenses.....	1,764.88
	<hr/> 12,843.53
Ice	1,617.06
Water	216.49
Insurance	3,938.36
Taxes	132.50
	<hr/> 118,433.04
Total Expenses.....	<hr/> <hr/> \$595,579.10

Summary of Funds and Income Therefrom

For the Calendar Year 1927

Department for Mental and Nervous Diseases

	Principal	Income
Unrestricted Funds:		
West Philadelphia Unrestricted.....	\$4,727.75	\$229.10
Endowment Funds:		
Elizabeth P. McKnight.....	20,350.50	939.00
Permanent Insane.....	165,368.85	8,801.13
Free Bed Funds:		
Brown	10,000.00	277.20
West Philadelphia Free Bed.....	94,454.34	5,064.36
Williamson Farm (one-half).....	51,746.45	1,752.27
Thomas Wistar.....	10,450.00	528.73
Special Operating Purposes:		
Thomas Warren McKean Downs, for care of children with behavior disorders	5,000.00	313.14
Hannah and Jane Morris, for occupa- tional therapy.....	10,039.13	478.96
Mary Wistar Brown Williams, for occu- pational therapy.....	27,090.00	1,404.15
	<u>\$399,227.02</u>	<u>\$19,788.04</u>

Account of Operations

Rhoads Hall

Income from Operations:		
Board and Room.....		\$6,906.42
Expenses:		
Administration	\$133.61	
Medical Service.....	23.94	
Nursing Service.....	318.00	
Occupational and Physical Therapy.....	33.32	
Food	1,581.86	
Dietitian's Department.....	509.43	
Garage	89.90	
Housekeeping	976.36	
Heat, Light and Power.....	432.34	
Repairs and Renewals.....	101.93	
Insurance	984.00	
Sinking Fund.....	1,920.00	
		<u>7,104.69</u>
Deficit		\$198.27

Account of Operations

Ashley Farm

Income from Operations:

Crops	\$11,686.99	
Garden	2,745.88	
Orchard	966.61	
Dairy	51,886.20	
Hogs	8,562.80	
Poultry	2,536.72	
		<hr/>
		\$78,385.20

Expense:

Labor	\$17,454.81	
Bedding	1,513.22	
Bees and Supplies.....	26.87	
Feed, Grain.....	20,135.67	
Hay	5,242.13	
Fertilizer	1,204.25	
Heat, Light and Power.....	814.91	
Ice	1,270.14	
Live Stock.....	11,591.63	
Seeds	844.28	
Supplies	1,057.12	
Swill	300.00	
Veterinary	413.30	
Administration	3,051.73	
Board and Room.....	4,783.82	
Garage	4,968.15	
Horses and Equipment.....	4,957.36	
Houses	1,223.07	
Insurance	633.57	
Equipment	989.50	
Repairs and Renewals.....	3,270.07	
Taxes	1,177.88	
Water Supply.....	516.01	
		<hr/>
		87,439.49

Deficit	<hr/>	\$9,054.29
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Schools of Nursing

Of the Pennsylvania Hospital, Department for Mental and Nervous Diseases, West Philadelphia

The Managers of the Pennsylvania Hospital offer at the Department for Mental and Nervous Diseases to men and women desirous of becoming trained nurses courses of instruction in nursing with special reference to mental and nervous diseases, with supplementary training in affiliated general hospitals, preparing them for examination for State registration as professional nurses.

The School of Nursing for Women

is connected with the Department for Women at 4401 Market Street, being distinct from the School of Nursing for Men at Forty-ninth and Market Streets.

It was organized in 1914 on the basis of the highest educational standards for schools of nursing and is registered by the Pennsylvania State Board of Examiners for Registration of Nurses.

The course covers a period of three years, twenty-one months of which are spent in affiliated general hospitals making provision for adequate instruction and practice in every branch of nursing. The additional experience in medical, surgical and obstetrical nursing is given at the Pennsylvania Hospital, Department for Sick and Injured, or at the Presbyterian Hospital, and nursing in children's diseases is given at The Children's Hospital. Arrangements have also been made with The Visiting Nurse Society and the Municipal Hospital to give two months' additional training in those special branches to students desiring it.

The educational requirement for admission to the school is two years of high school or its equivalent. High school graduates are preferred and college students will be given advanced standing, according to the nature of work previously done.

Candidates should be between 18 and 35 years of age and must be in sound physical and mental health.

Application blanks may be obtained by writing to the Superintendent of Nurses, 4401 Market Street. When possible a personal application is desirable. Appointments may be arranged by letter or telephone.

The Superintendent of Nurses, with the approval of the Physician-in-Chief, decides as to fitness of the applicant for the work of nursing and whether she shall be retained at the end of the preliminary period.

A preliminary course of four months' intensive class work is given and during this period the student spends not more than three hours a day on the wards. During this time she has an opportunity to decide definitely whether she cares enough for the work to complete the three years' course and those responsible have an opportunity to advise her as to her fitness and adaptability to the work.

After the preliminary period the student averages only eight hours a day on the wards. This is accomplished by giving one whole day each week for recreation and study, in addition to two hours daily and four hours on Sunday. Three weeks' vacation is allowed each year, or nine weeks during the entire period of training.

The reception rooms, entertainment hall, gymnasium, swimming pool, tennis court, golf course and other resources of the hospital for recreation are at the disposal of the nurses and a wholesome recreational life is encouraged.

In addition to complete maintenance an allowance of \$25 a month is given during the time students are in this hospital and \$10 a month during the period spent in general hospital.

Students provide their own uniforms and text books, but all reference books are furnished by the hospital.

Complete information concerning uniforms and other equipment is mailed with the student's acceptance slip.

In case of acute illness during the training period students are cared for gratuitously by the Hospital. Time lost through illness in excess of two weeks each year must be made up before graduation.

General Scheme of Instruction

First Year

	Hours
History of Ethics of Nursing.....	18
Elementary Nursing (including bandaging).....	80
Anatomy and Physiology with Practical Demonstration.....	80
Bacteriology and Pathology.....	32
Hygiene and Sanitation.....	24
Materia Medica.....	80
Drugs and Solutions.....	30
Household Economy.....	10
Medical and Surgical Emergencies.....	36
Social and Economic Causes of Disease.....	12
Clinics (Ward)	20
Chemistry	36
Invalid Occupation	40
Nutrition and Cookery.....	24
Elementary Massage	16

Second Year

	Hours
Nervous System and Special Senses.....	10
Clinical Psychiatry	20
Dietetics (Theory and Practice).....	60
Medical Diseases	20
Surgical Diseases	20
Massage	10
Hydrotherapy	20
Invalid Occupation	40
Principles and Practice of Nursing.....	20
Practical Demonstrations in Physiology and Pharmacology.....	24
Psychology	16
Clinics (Ward)	10
Urinalysis	6

Last Half Second Year and First Half Third Year Eighteen Months in General Hospital

	Months
Surgical Nursing	6
Medical Nursing	4
Children's Nursing	3
Obstetrical Nursing	3
Contagious Nursing	3
Visiting Nursing	2

Finishing Months—Senior Year

	Hours
Professional Problems	5
Modern Social Problems.....	5
Modern Development in Nursing.....	5
Introduction to Special Branches.....	10
Institutional Housekeeping.	
Private Nursing.	
Reviews	10
Including Adaptations of Nursing.	
Technic and First Aid.	

The School was established in 1914. The graduates are:

Class 1917

Anna P. Walsh Hune, R.N.	Married	Philadelphia, Pa.
Margaret Rodgers Shearer, R.N.	Married	Philadelphia, Pa.
Ethel L. Williams Donley, R.N.	Married	Oil City, Pa.
Mary Mulholland McGurney, R.N.	Married	Wilkes-Barre, Pa.

Class 1918

Jennie Millar, R.N.	Priv. Duty Nurse	Brooklyn, N. Y.
Letitia Wilson, R.N.	Supt. of Nurses	Pennsylvania Hospital, Department for Mental & Nervous Diseases, Phil- adelphia, Pa.

Class 1919

Maude L. Allen, R.N.	Married	Philadelphia, Pa.
Augusta H. Eagan, R.N.	Married	Fairview, N. J.
Celia M. Richards	Pub. Health Nurse	Ambler, Pa.

Class 1920

Frances J. Kennedy, R.N.	Supt. of Nurses	State Hospital, Trenton, N. J.
Irene Sharp, R.N.	Office Nurse	Philadelphia, Pa.
Lulu Hiscox, R.N.	Pub. Health Nurse	Salem, N. J.

Class 1921

Mabel Beyer Fairchild, R.N.	Married	Minneapolis, Minn.
Kathryn Griffin Ruddy, R.N.	Married	Philadelphia, Pa.

Class 1922

Edith Oliver, R.N.	Hospital Supt.	Port Arthur, B. C.
Margaret Hoffer, R.N.	Head Nurse	Pennsylvania Hospital, Philadelphia, Pa.

Class 1923

Marion Wanger, R.N.	Surg. Supervisor	The Children's Hospital, Philadelphia, Pa.
Margaret Eagan Kline, R.N.	Married	Philadelphia, Pa.

Class 1924

Harriett Meloney, R.N.	Nurse	U. S. Veterans' Hospital, Philadelphia, Pa.
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Class 1927

M. Westt Kearns, R.N.	Inst. of Nurses	Pennsylvania Hospital, Department for Mental & Nervous Diseases, Phil- adelphia, Pa.
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Affiliated Pupils—Three Months' Course

Completed in 1923

Helen Wilson, Presbyterian Hospital, Philadelphia.
Edith Thomas, Presbyterian Hospital, Philadelphia.
Nancy Cooper, Presbyterian Hospital, Philadelphia.

Class 1924

Mary Craig, Presbyterian Hospital, Philadelphia.
Virginia Stayer, Westmoreland Hospital, Greensburg, Pa.

Class 1925

Alice Gladys Nicole, Presbyterian Hospital, Philadelphia.
Dorothy Lindermuth, Methodist Hospital, Philadelphia.
Edith Payne, Methodist Hospital, Philadelphia.
Helen M. Tucker, Methodist Hospital, Philadelphia.
Mary E. Apel, Methodist Hospital, Philadelphia.
Henrietta S. Menold, Presbyterian Hospital, Greensburg, Pa.
Ann Moslo, Westmoreland Hospital, Greensburg, Pa.

Class 1926

Mary Shinehouse, Methodist Hospital, Philadelphia.
Anna Spangenberg, Methodist Hospital, Philadelphia.
Helen M. Kress, Methodist Hospital, Philadelphia.
Susan Jenkins, Methodist Hospital, Philadelphia.
Elizabeth Blackwell, Methodist Hospital, Philadelphia.
Orpha M. Miller, Methodist Hospital, Philadelphia.
Elizabeth Morrell, Methodist Hospital, Philadelphia.
Grace A. Robb, Methodist Hospital, Philadelphia.
Mary E. Neff, Presbyterian Hospital, Philadelphia.

Class 1927

Freda G. Marks, Presbyterian Hospital, Philadelphia.
Louise A. Patterson, Presbyterian Hospital, Philadelphia.
Genevieve E. Blair, Presbyterian Hospital, Philadelphia.
Laura Montgomery, Methodist Hospital, Philadelphia.
Vesta Presby, Methodist Hospital, Philadelphia.
Alice C. Young, Methodist Hospital, Philadelphia.
Marion C. Brenner, Methodist Hospital, Philadelphia.
Hazel M. Boyer, Methodist Hospital, Philadelphia.
Marian R. Gennaria, Methodist Hospital, Philadelphia.
Ethel O. Morgan, Methodist Hospital, Philadelphia.
Esther L. Frantz, Methodist Hospital, Philadelphia.
Rebecca A. Logan, Methodist Hospital, Philadelphia.
Helen M. Miller, Methodist Hospital, Philadelphia.
Neretta L. Wright, Methodist Hospital, Philadelphia.

Post-Graduate Course in Mental and Nervous Nursing

Department for Women
4401 Market Street

From the Social Service agencies, from the Red Cross, and from public health and school officers has come a new and increasing demand for nurses who have neuro-psychiatric, in addition to general, training. The older demand for such nurses as hospital executives and in private practice still continues. This means wide opportunities for those qualified. The graduate nurse with merely general hospital experience is not trained or equipped to meet this special and increasing demand; neither the theory nor the practice of mental and nervous nursing is available in the general hospital training school and both of these are indispensable to meet the particular demands in this field. It is only through actual contact with mental and nervous patients that their peculiar needs can be appreciated and the neuro-psychiatric viewpoint can be obtained.

A four months' course in the theory and practice of the nursing of mental and nervous patients is offered to all graduates of general hospitals furnishing proper credentials.

Thirty dollars a month and maintenance are given during the period of training. The hours of duty are from seven in the morning until seven in the evening, with two hours daily and one day weekly off duty. Extra time is given for lectures and classes. In cases of illness the student is cared for gratuitously at the hospital, unless such illness is prolonged, but all time lost in this way or any other way must be made up.

The grounds surrounding the hospital offer ample space for outdoor exercises and games. The swimming pool is open twice a week under the supervision of an instructor. A hall for dancing, which is provided with a piano and victrola, is open one or two evenings a week under the supervision of our Social Director.

A social hall is also available for the use of the nurses, where they may receive callers during the afternoon and evening.

Students are required to wear the customary uniform, cap, and apron of the training school from which they graduated, black shoes with rubber heels.

When possible the applicants should apply in person, as they can then be given more detailed information.

It is most important that the student should be in good health.

When the four months are satisfactorily completed a certificate with the seal of the Hospital is granted the student.

Outline of Instruction

Anatomy and Physiology of Central Nervous System, includes laboratory demonstration.....	18 hrs.
Review of Special Senses.....	2 hrs.
Psychology	14 hrs.
Clinical Psychiatry lectures.....	12 hrs.
Clinical Psychiatry classes.....	12 hrs.
Mental Hygiene.....	2 hrs.
Mental Nursing, Principles.....	8 hrs.
History taking, special observation, theory and practice..	6 hrs.
Conference on current admissions and discharges.....	10 hrs.
Psycho-pathology in Children.....	2 hrs.
Mental Measurements.....	6 hrs.
Serum Therapy.....	1 hr.
Therapeutic Value of Mechano-Electro-Hydro-therapy...	1 hr.
Functional Tests.....	2 hrs.

PRACTICAL includes:

Hydrotherapy	4 hrs.
Electrotherapy	4 hrs.
Occupational Therapy, theory and practice.....	65 hrs.
Physical Education Dept. Gymnasium, games.....	8 hrs.
Librarian	2 hrs.

Class 1921

MARY E. BOLLINGER, R.N.

Graduate, Lancaster General Hospital

MARY E. STEHMAN, R.N.

Graduate, Lancaster General Hospital

ANNA L. FROST, R.N.

*Graduate, Orthopaedic Hospital and Infirmary
for Nervous Diseases*

Class 1923

EMILY SIRNIS, R.N.
Graduate, Addison Gilbert Hospital
Gloucester, Mass.

SARAH ANNE MACGREGOR, R.N.
Graduate, St. Luke's Hospital
New Bedford, Mass.

MARIE MURRAY, R.N.
Graduate, Presbyterian Hospital
Philadelphia, Pa.

LOUISE MCKENZIE, R.N.
Graduate, Presbyterian Hospital
Philadelphia, Pa.

Class 1924

CORA BENSLEY, R.N.
Graduate, Lancaster Infirmary
London, England

EMMA P. STRANFORD, R.N.
Graduate, Altoona Hospital
Altoona, Pa.

GERTRUDE BROWN, R.N.
Graduate, Presbyterian Hospital
Philadelphia, Pa.

FRANCES BROWN, R.N.
Graduate, Presbyterian Hospital
Philadelphia, Pa.

BERNICE STILLMAN, R.N.
Graduate, Women's College Hospital
Toronto, Canada

FRANCISKA SACHSENMEYER, R.N.
Graduate, Hapsburg Hospital
Germany

Class 1925

NAOMI BOTTOMLEY, R.N.
Graduate, Garretson Hospital
Columbia, Pa.

FLORENCE PUND, R.N.
Graduate, Presbyterian Hospital
Philadelphia, Pa.

ALICE E. CLEMENTS, R.N.
Graduate, Garretson Hospital
Philadelphia, Pa.

PAULINE M. FEX, R.N.
Graduate, Misericordia Hospital
Edmonton, Alberta, Canada

Class 1926

ANNA Z. BOZKOWSKI, R.N.

University Hospital
Philadelphia, Pa.

GLADYS V. SOLVERSON

St. Luke's Hospital
Chicago, Ill.

VERNA E. HANCOCK

St. Luke's Hospital
Chicago, Ill.

Class 1927

MYRTLE M. ROBERTSON

Memorial Hospital
Danville, Va.

RHODA V. ANDERSON, R.N.

Columbia Hospital
Columbia, Pa.

ELIZABETH M. HALL

St. Lawrence State Hospital
Ogdensburg, N. Y.

FLORENCE H. KERSTETTER, R.N.

Polyclinic Hospital
Philadelphia, Pa.

MARGUERITE GRIESING, R.N.

American Hospital for Diseases of Stomach
Philadelphia, Pa.

INA SAFT, R.N.

Philadelphia General Hospital
Philadelphia, Pa.

The School of Nursing for Men

is connected with the Department for Men at 111 North Forty-ninth Street.

It offers a three years' course of instruction in nursing, of which ten months are spent in an affiliated general hospital, where the pupil acquires additional experience in medical, surgical, operating room and genito-urinary nursing.

The school is registered by the Pennsylvania State Board of Examiners for Registration of Nurses, and its graduates are eligible for examination for registration.

The requirements for admission necessitate applying in the applicant's own handwriting to the Superintendent of Nurses, 111 North Forty-ninth Street, West Philadelphia, Pa. A personal interview is desirable whenever possible, and may be arranged by letter or call between 10 A. M. and 12.30 P. M.

Applicants are preferred between 20 and 35 years of age.

A high school education or its equivalent is desirable.

Applicants who are to be further considered will be furnished with a blank form of application, which should be filled out and returned with a physician's certificate of good health.

There is a probationary period of three months to enable the applicant to decide definitely whether he will agree to complete the required course, and, furthermore, to enable the Superintendent of Nurses to determine whether he is adapted to the work and qualified to make a success of it.

The Physician-in-Chief and Superintendent of Nurses will decide as to the fitness of the applicant for the work of nursing, and may retain or dismiss him during the probationary period, or sever his connection with the school at any time for reasons which seem to them sufficient.

During the course of training in this hospital the pupils receive in addition to their board, lodging and laundry, \$30 a month the first three months, \$35 a month thereafter; but while in a general hospital, they receive the remuneration paid by that hospital.

The education and nursing experience are considered of greater value than the money compensation.

Graduates who are trained in the service of the hospital receive higher compensation, according to the positions filled.

Pupils average sixty hours a week in the wards. In addition to their daily hours off duty they are allowed one whole day each week for recreation and study, and three weeks' vacation each year. During the school term lectures and classes are attended in off-duty time. During illness pupils are cared for gratuitously, unless it be prolonged, and receive compensation, unless its duration exceeds two weeks in any year.

Students have access to the gymnasium and swimming pool. The hospital has ample grounds. Baseball, soccer, and other outdoor and in-door sports are enjoyed.

Graduates of the school find several fields open to them. Head places in our own hospital are often available to those who are adapted for them. The comprehensive scope of the training specially qualifies graduates of this school for executive and administrative positions. Also industrial nursing in large manufacturing plants is looking more each year to graduate men nurses to care for their first aid service to injured employees. Another advantage which comes to graduates is the opportunity of pursuing plans for further education, which may be a medical or college course or some specialized branch of nursing. This is made possible by the graduate's increased earning ability.

A post-graduate course in physiotherapy is offered to graduates of this school. Nurses completing the course are eligible for examination in Pennsylvania and for registered physiotherapists.

After the completion of the required course and passing all examinations, the pupil is awarded a diploma, certifying to the period of his training and good conduct and character.

Instruction by demonstrations, lectures, recitations, laboratory work, and practical exercises, is given between October 1st and May 31st of each school year. Students are admitted to probation during June, July, August, September, October, November, December and January. Two groups of students receive the preliminary

course each year. The first group is made up and instruction begun the first week in October. The second preliminary group starts in February.

Schedule of Instruction

The courses are taught by lectures and demonstrations, and quizzes on same; text-book recitations; laboratory demonstration and practice.

The Preliminary (first four months), First Year, and Third Year subjects are taught in the home school; the Second Year subjects in affiliated general hospital school.

Preliminary

Elements of Nursing	Personal Hygiene
Anatomy and Physiology	Elementary Dietetics
Hospital Housekeeping	Bandaging
Historical, Ethical and Social Basis of Nursing	Drugs and Solutions

First Year

Rational Exercise (Gymnasium)	Nursing in Typhoid Fever
Elementary Chemistry	Nursing in Surgical Diseases
Bacteriology	Sanitation
Materia Medica and Therapeutics	Elements of Nursing in Mental and Nervous Diseases
Urinalysis	
Nursing in Medical Diseases	

Second Year

Dietetics	Tuberculosis
Nursing in Medical Diseases	Nursing in Communicable Diseases
Nursing in Diseases of Eye, Ear, Nose, Throat and Skin	Nursing in Surgical Diseases
Operating Room Technic	Nursing in Genito-Urinary Diseases
	Nursing in Venereal Diseases

Third Year

Nursing in Orthopedic Surgery	Anatomy and Physiology of the Private Nursing
Elements of Psychology	History of Nursing and Ethics
Nursing in Mental and Nervous Diseases	Public Sanitation
Nursing in Communicable Diseases (continued)	Special Therapeutics
Professional Problems	Survey of the Nursing Field
Nursing in Medical and Surgical Emergencies	Mental Hygiene
Central Nervous System	Massage
	Hydrotherapy

Practical Training

Of the thirty-six months of the course, twenty-six months' duty is given in the home school and ten months in the affiliated hospital. This training is divided among the following services:

Home School

Convalescent Observation	Behavior (Children)	Acute	Special
Hydrotherapy	Massage	Diet Kitchen	Operating Room Chronic

Affiliated School

Medical	Surgical	Operating Room	Genito-Urinary
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The school was established in 1914. The graduates are:

Class 1917

John Boyle	In Business	Pittsburgh, Pa.
Alphonsus J. Connelly	Private Nurse	Stephenson, Va.
John A. Devlin		Deceased.
Claude Garland	Agriculturist	Earlsville, Va.
Robert N. Hughes	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
John Quigley	Night Superin- tendent of Nurses	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
John J. Carey	Hydrotherapist	Department of Psychia- try. State University, Iowa City, Iowa.

Class 1918

John Paul Bischoff	Nurse	Unknown.
Lawrence H. Himes	Private Nurse	New Holland, Pa.

Class 1920

Nov. Hak Kodama, R.N.	Nurse	Bloomington Hospital, White Plains, N. Y.
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Class 1921

Harold E. Sterner, R.N.	Private Nurse	Los Angeles, Cal.
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Class 1922

Wesley A. Krapf, R.N.	Student	Peirce Business School, Philadelphia, Pa.
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Class 1923

John L. Bohlke, R.N.	Private Nurse	Philadelphia, Pa.
Daniel J. Evans, R.N.	Assistant Supt. of Nurses	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.

John. Grady, R.N.	In Business	Philadelphia, Pa.
John H. Smith, Jr.	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.

Class 1924

Samuel P. Campbell, R.N.	Physiotherapist	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
Patrick M. Haughey, R.N.	Night Supervisor	Bloomingdale Hospital.
Ellis C. Hulme, R.N.	Purchasing Agent	Bryn Mawr Hospital, Bryn Mawr, Pa.
Donald L. Rams, R.N.	Asst. Business Manager	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.

Class 1925

Alexander F. Lubinski, R.N.	Private Nurse	Ann Arbor, Mich.
James Q. Simmons, Jr., R.N.	Physiotherapist	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
Richard D. Thomas, R.N.	Student	Laboratory Technique.
Elisha S. West, R.N.	Floor Supervisor	Hospital of the Gradu- ate School of Medicine, University of Pennsyl- vania, Philadelphia, Pa.

Class 1926

Jeremiah J. O'Connor, R.N.	Private Nurse	Philadelphia, Pa.
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Class 1927

Willard Bouldin	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
Frank Dillon	Private Nurse	Philadelphia, Pa.
Allen O. Ernst	Private Nurse	Philadelphia, Pa.
Samuel Kyle	Private Nurse	Philadelphia, Pa.
James E. Neleigh	Private Nurse	Philadelphia, Pa.

Admission of Patients

Patients are received either on signing a request for care and treatment, or by commitment by two Pennsylvania Physicians, with an order signed by a relative or friend. Forms can be obtained at the hospital.

No patient is admitted without the previous consent of the Managers. Information about prospective patients should be given to physicians by personal interview if possible, or by letter.

For men, the application should be made to Physician-in-Chief, Forty-ninth and Market Streets; for women, to Physician-in-Chief, Forty-fourth and Market Streets.

For the payment of board, and removal of patient when discharged, security is always required from responsible residents of Pennsylvania. Payment of board is to be made monthly in advance.

Interest will be charged bills overdue.

Special rooms and private nurses can be supplied, if desired by the friends of the patients.

